

## **Electronic Acknowledgement Receipt**

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|---|--------------------------------------|
| <b>EFS ID:</b>                              | 4292661                              |
| <b>Application Number:</b>                  | 10502450                             |
| <b>International Application Number:</b>    |                                      |
| <b>Confirmation Number:</b>                 | 3682                                 |
| <b>Title of Invention:</b>                  | Heat integrated distillation column  |
| <b>First Named Inventor/Applicant Name:</b> | Johannes de Graauw                   |
| <b>Customer Number:</b>                     | 42798                                |
| <b>Filer:</b>                               | Jon Allen Birmingham/Latoya Ellerson |
| <b>Filer Authorized By:</b>                 | Jon Allen Birmingham                 |
| <b>Attorney Docket Number:</b>              | 7389/84086                           |
| <b>Receipt Date:</b>                        | 14-NOV-2008                          |
| <b>Filing Date:</b>                         | 13-JAN-2005                          |
| <b>Time Stamp:</b>                          | 15:45:37                             |
| <b>Application Type:</b>                    | U.S. National Stage under 35 USC 371 |

### **Payment information:**

|  |                 |
|--|-----------------|
| Submitted with Payment                   | yes             |
| Payment Type                             | Deposit Account |
| Payment was successfully received in RAM | \$1110          |
| RAM confirmation Number                  | 1094            |
| Deposit Account                          | 061135          |
| Authorized User                          |                 |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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## File Listing:

| Document Number | Document Description | File Name     | File Size(Bytes)/Message Digest                        | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|---------------|--|------------------|------------------|
| 1               |                      | amendment.pdf | 88940<br>b60eb281d801b64822025eeebb816cf9c1a<br>cc0174 | yes              | 9                |

### Multipart Description/PDF files in .zip description

| Document Description | Start | End |
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|   |   |   |
|---|---|---|
| Amendment/Req. Reconsideration-After Non-Final Reject | 1 | 1 |
| Specification   | 2 | 2 |
| Claims  | 3 | 6 |
| Drawings-other than black and white line drawings     | 7 | 7 |
| Applicant Arguments/Remarks Made in an Amendment      | 8 | 9 |

## Warnings:

## Information:

|   |   |              |   |    |    |
|---|---|--------------|---|----|----|
| 2 | Drawings-only black and white line drawings | drawings.pdf | 132461<br>b664ff0f0c1c2593cd703f26a1f29fb44afe<br>6d4 | no | 10 |
|---|---|--------------|---|----|----|

## Warnings:

## Information:

|   |  |                           |  |     |    |
|---|--|---------------------------|--|-----|----|
| 3 |  | clean-substitute-spec.pdf | 119066<br>c67fb479a21d0f33daac819a17c5dff35662<br>cb16 | yes | 12 |
|---|--|---------------------------|--|-----|----|

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| Specification | 1  | 11 |
| Abstract      | 12 | 12 |

## Warnings:

## Information:

|   |  |                               |  |     |    |
|---|--|-------------------------------|--|-----|----|
| 4 |  | marked-up-substitute-spec.pdf | 144486<br>fd5ca3d0497601be5a131ba2193d5f5bfef<br>af99c | yes | 13 |
|---|--|-------------------------------|--|-----|----|

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|  | Specification                                       | 1            | 12  |        |   |
|  | Abstract  | 13           | 13  |        |   |
| <b>Warnings:</b>   |   |              |   |        |   |
| <b>Information:</b>  |   |              |   |        |   |
| 5  | Fee Worksheet (PTO-06)                              | fee-info.pdf | 29740<br>03/26/2016 09:49:32 AM (231b/48994-2964) | no     | 2 |
| <b>Warnings:</b>   |   |              |   |        |   |
| <b>Information:</b>  |   |              |   |        |   |
| <b>Total Files Size (in bytes):</b>  |   |              |   | 514693 |   |
| <p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b>New Applications Under 35 U.S.C. 111</b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b>National Stage of an International Application under 35 U.S.C. 371</b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b>New International Application Filed with the USPTO as a Receiving Office</b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |   |              |   |        |   |